

After final amended
claims 1, 3-47 are entered
Docket No.: 5145-0101PUS1

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A rotor for a line-start reluctance motor, comprising:
a core having an axis coupling hole in a coupling direction of a shaft;
a plurality of bars formed in the periphery of the core; and
a plurality of flux barriers, one and the other ends of the flux barriers approaching the bars formed in first and second areas facing each other at a predetermined angle on a central line of a first axis on a core plane vertical to the coupling direction, wherein the flux barriers pass through a third or fourth area between the first and second areas and detour around the axis coupling hole so that intervals between the axis coupling hole and the flux barrier are substantially uniform,

wherein the flux barriers detour around the axis coupling hole in a circular arc shape.

2. (Cancelled)

3. (Currently Amended) The rotor of claim 1 ~~or 2~~, wherein the flux barriers are continuous.

4. (Original) The rotor of claim 1, wherein the flux barriers are symmetric on a second axis vertical to the first axis on the core plane.

5. (Original) The rotor of claim 1, wherein a rate of an area of the flux barriers to a whole area of the core plane is 0.35 to 0.45.